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Datasheet for ABIN1574257
anti-Influenza A Virus Neuraminidase antibody

Overview

Quantity:	100 µg
Target:	Influenza A Virus Neuraminidase (NA)
Reactivity:	Influenza A Virus H1N1
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Influenza A Virus Neuraminidase antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	purified recombinant full-length Influenza A (H1N1) 2009 virus NA protein (GenBank: CY040001).
Clone:	1E4G11
Isotype:	IgG2b
Specificity:	H1N1 NA Antibody (1E4G11), mAb, Mouse detects influenza A (H1N1) NA protein.
Purification:	Protein A affinity column

Target Details

Target:	Influenza A Virus Neuraminidase (NA)
Alternative Name:	H1N1 NA (NA Products)
Target Type:	Influenza Protein

Target Details

Background: Influenza A (H1N1) virus is a subtype of influenza virus A and the most common cause of influenza (flu) in humans. A strain of swine-origin H1N1 was responsible for the 2009 flu pandemic. Neuraminidase (NA), a single-pass type II membrane homotetramer, is a major membrane glycoprotein found on the surface of influenza virus. It cleaves the hemagglutinin HA-sialic acid bond from the newly formed virions and the host cell receptors during budding. Therefore, NA is described as a receptor-destroying enzyme which facilitates virus release and efficient spread of the progeny virus from cell to cell. H1N1 NA Antibody (1E4G11), mAb, Mouse is produced from the hybridoma resulting from fusion of SP2/0-Ag14 myeloma and B-lymphocytes obtained from Mouse immunized with purified recombinant full-length Influenza A (H1N1) 2009 virus NA protein (GenBank: CY040001).

Application Details

Application Notes: Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

Western Blot: 1-2 µg/mL

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: PBS, pH 7.4, containing 0.02 % sodium azide

Preservative: Sodium azide

Precaution of Use: WARNING: Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.

Storage: 4 °C/-20 °C

Storage Comment: The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody

Handling

can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below.
Avoid repeated freezing and thawing cycles.